SERVICE MANUAL

AM/FM STEREO TUNER

SANSUI T-M500/M500L





NOTE

T-M500 and T-M500L are additional models which external appearances are different from those of T-M55 and

This manual contains OTHER PARTS LIST, PACKING LIST and ACCESSORY LIST in which changed parts are printed with bold-face. + 77

For other parts list, refer to T-M55/M55L service manual previously issued.



SANSUI ELECTRIC CO., LTD.

SPECIFICATIONS

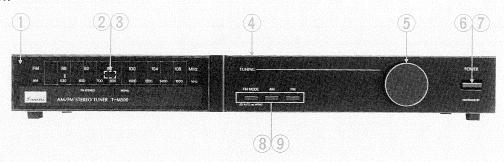
T-M500	
FM Section Tuning range	88 to 108 MHz
Usable sensitivity Mono IHF	10.8 dBf (1.9 μV : T100)
50 dB quieting sensitivity	
Mono Stereo Signal to noise ratio at 65 d	Rf
MonoStereo	75 dB 70 dB
Mono	less than 0.2% at 1,000 Hz
Alternate channel selectivity	less than 0.3% at 1,000 Hz (at 400 kHz)
Stereo separation	40 dB at 1,000 Hz 40 to 15 000 Hz
Antenna input impedance	+1.0 dB, —1.5 dB 300 ohms balanced
	75 ohms unbalanced
AM Section Tuning range	. 530 to 1,600 kHz
Usable sensitivity	45 dR
Others	
	. 600 mV/2.2 kohms
For U.S.A. and Canada	50/60 Hz
Power consumption	. 6Watts 345 mm (13-5/8")W
	46 mm (1-13/16")H
Weight	. 2.0 kg (4.4 lbs) net 2.6 kg (5.7 lbs) packed
T-M500L	
FM Section Tuning range	. 88 to 108 MHz
Usable sensitivity Mono IHF	
50 dB quieting sensitivity Mono	
Signal to noise ratio at 65 dB	. 37.0 dBf
MonoStereo	. 75 dB
Distortion at 65 dBf	less than 0.2% at 1,000 Hz less than 0.3% at 1,000 Hz
Alternate channel selectivity	(at 400 kHz)
Stereo separation	. 40 dB at 1,000 Hz 30 to 15,000 Hz
Antenna input impedance	+1.0 dB, —1.5 dB . 300 ohms balanced
AM Section	75 ohms unbalanced
Tuning range	. 530 to 1.600 kHz
Usable sensitivity	150 to 350 kHz
MW	. 62 dB/m
Signal to noise ratio	
MW	
Others Output voltage and impedan	
Power requirements	600 mV/2.2 kohms 220/240V
Power consumption	6Watts
Dimensions	46 mm (1-13/16")H

- * Design and specifications subject to changes without notice for
- provements.

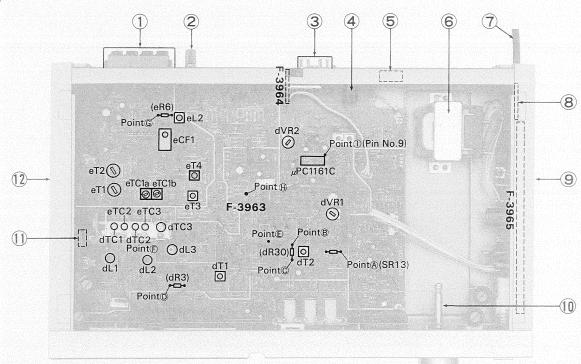
 * Due to local laws and regulations, this unit sold in some areas are equipped with variable voltage selectors

1. OTHER PARTS

1-1. Front View



1-2. Top View



Parts List < Front View>

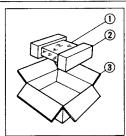
Parts No.	Stock No.	Description		
1	47929000	Front Panel Ass'y for T-M500		
	47929100	Front Panel Ass'y for T-M500L		
2	07856500	Dial Pointer		
3	46198900	L.E.D. Dial Pointer		
4	47547700	Bonnet		
5	47547000	Tuning Knob		
6	46370900	Push SW., POWER		
7	47736700	Push Knob, POWER		
8	46547800	Push SW., FM/AM (Selector)+FM		
		MODE for T-M500		
	46547900	Push SW., FM/AM (Selector)+FM		
		MODE for T-M500L		
9	47547100	Push Knob, FM/AM (MW)/(LW) (Selector)·FM MODE		

Parts List < Top View>

Parts No.	Stock No.	Description
1	46547300	Antenna Terminal Board (4P)
	22301510	GND Terminal
2 3	46438100	Output Terminal Board (2P)
4	46547200	Mini Jack, COMPU SELECTOR
5	07204700	Slide SW., Voltage Selector <220/240V T-M500L Only>
6	15011501	Power Transformer for T-M500 (XX,SA)
	15011502	Power Transformer for T-M500 (UL,CSA)
	15011505	Power Transformer for T-M500L (EU,BS,AS)
7	38005400	Power Supply Cord for T-M500 (XX.SA)
	38004700	Power Supply Cord for T-M500 (UL,CSA)
	38004300	Power Supply Cord for T-M500 (BS)
	07204200	Power Supply Cord for T-M500 (AS)
	38004500	Power Supply Cord for T-M500L (EU)
8	47168610	AC Cord Cover
9	47538000	Side Panel (Right)
10	47177500	Tuning Unit
11	47169300	Pulley
12	47537900	Side Panel (Left)

2. PACKING LIST

Parts No.	Stock No.	Description		
1	47859400	Vinyl Cover		
2	47178200	Styrofoam Packing		
3	47928400	Carton Case for T-M500		
_	47928500	Carton Case for T-M500L		



3. ACCESSORY LIST

•	Stock No.	Description
	46980000	Operating Instruction for T-M500
	46980100	Operating Instruction for T-M500L
	46051700	FM Antenna
	46186100	AM Loop Antenna
	07563000	Antenna Holder
	38103200	PJP cord
	46267300	Mini Plug Cord

CAUTION-

 The symbols, UL, CSA, SA, BS, UK, EU, AS and XX (EX-PORT) on the parts list and the schematic diagram mean followings respectively.

UL Manufactured for U.S.A market.
(Underwriters Laboratories approved
model.)
CSA Manufactured for Canadian market.
SA Manufactured for South African market.
BS, UK Manufactured for United Kingdom market.
EU Manufactured for European market.
AS Manufactured for Australian market.
XX (EXPORT) Standard Version.
NON MARK Common Parts.

- 2. Some printed circuit boards are not supplied as the assembled.
 - To separate these in this service manual, the stock No's are not indicated at the ends of the board names. However, the individual parts on the circuit boards are provided by orders.
- Since some of capacitors and resistors are omitted from parts lists in this service manual, refer to the Common Parts List for capacitors & resistors, which was issued on February 1983.

SERVICE MANUAL

AM/FM STEREO TUNER

SANSUI T-M55/M55L





CAUTION

- 1. Use only replacement parts recommended by the manufacturer.
- 2. Measure insulation resistance before returning the appliance to the customer to prevent electrical shock.



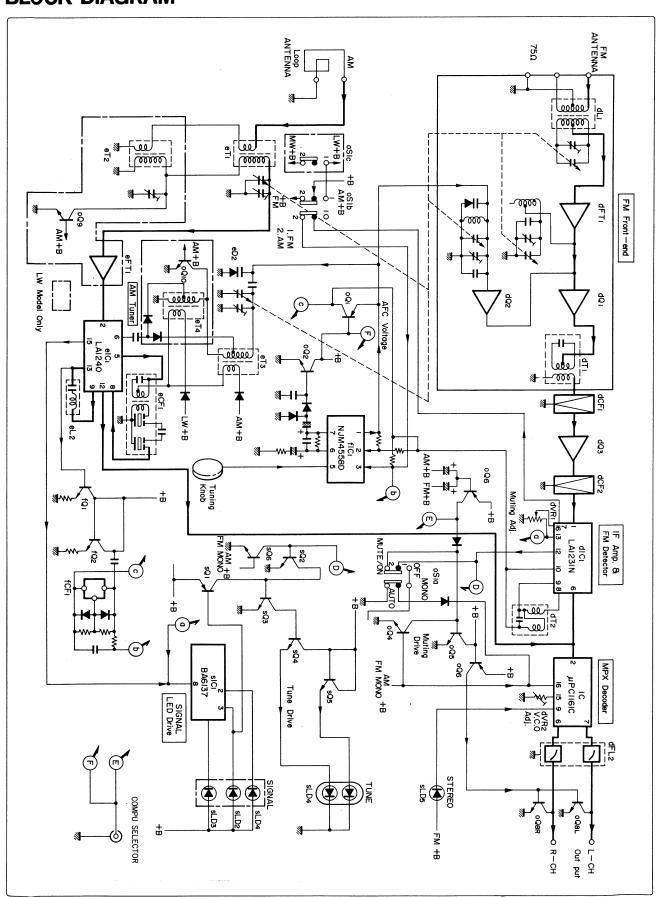
SANSUI ELECTRIC CO., LTD.

SPECIFICATIONS

•T-M55	
FM Section Tuning range	. 88 to 108 MHz
Mono IHFDIN	. 10.8 dBf (1.9 μV : T100) . 0.9 μV
50 dB quieting sensitivity Mono	. 17.0 dBf
Signal to noise ratio at 65 dl Mono	3f
Stereo	.70 dB
Alternate channel selectivity	
Stereo separation Frequency response	. 40 dB at 1,000 Hz
Antenna input impedance	+1.0 dB, —1.5 dB . 300 ohms balanced
AM Section	75 ohms unbalanced
Tuning range	. 530 to 1,600 kHz . 50 dB/m (316 µV/m)
Signal to noise ratio	. 45 dB . 42 dB at 1,000 kHz
Others Output voltage and impedance	e
Power requirements	. 600 mV/2.2 kilohms . 120/220/240V
For U.S.A. and Canada Power consumption	50/60 Hz . 120V (60 Hz) . 6W
Dimensions	. 345 mm (13-5/8") W 46 mm (1-13/16") H
Weight	234 mm (9-1/4") D . 2.0 kg (4.4 lbs) net 2.6 kg (5.7 lbs) packed
∘T-M55L	
FM Section Tuning range	. 88 to 108 MHz
Mono IHFDIN	. 10.8 dBf (1.9 μV : T100)
50 dB quieting sensitivity Mono	. 17.0 dBf
Signal to noise ratio at 65 dE	Sf Control of the Con
MonoStereo	
Stereo	less than 0.2% at 1,000 Hz less than 0.3% at 1,000 Hz (at 400 kHz)
Stereo separation	. 55 dB . 40 dB at 1,000 Hz
Antenna input impedance	
AM Section	75 ohms unbalanced
Total a laboration	. 530 to 1 600 kHz
MW	. 150 to 350 kHz
MW	. 62 dB/m
Image response ratio MW	. 42 dB at 1,000 kHz
Others	. 33 UD AL 23U KTIZ
Output voltage and impedance	. 600 mV/2.2 kilohms
Power requirements Power consumption	50/60 Hz
Dimensions	345 mm (13-5/8") W 46 mm (1-13/16") H
Weight	234 mm (9-1/4") D 2.0 kg (4.4 lbs) net 2.6 kg (5.7 lbs) packed
	It is I was add

Design and specifications subject to change without notice for

1. BLOCK DIAGRAM



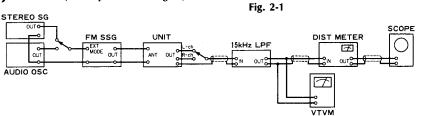
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GENESCOPE

2. ADJUSTMENTS

2-1. FM Adjustment (See Top View on Page 7)



1) FM IF, RF Adjustment and Dial Calibration Note: 1. SELECTOR...... FM

2. FM MODE..... MONO

CTER	CLIDIFCT		FEED SIGN	IAL	MEACHINE OUTBUT	ADULET	ADULIST FOR	DEALABLE
STEP	SUBJECT		FROM	то	MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
1.	IF Coil Adj.		98MHz ANT Input 20dBf (14.8dB), 1kHz (100% MOD.), FM SSG	ANT terminal 300Ω	Between Point (\$\text{\tinit}}\\ \text{\tex{\tex	dT1 (F-3963)	MAX. DC Volt	
2.	Discriminator Coil Adj. In case of	1	No Input	-	Between Point ® & © DC Volt Meter (Across dR30, F-3963)	dT2 (F-3963)	DC 0V±30mV	• Repeat procedures as stated in subject 1 & 2.
	using Genescope	2	Output 50dB, Genescope	Point ® (dR3)	Between Point ® (dC25, F-3963) & Ground	dT2 (F-3963)	Steep linearity of S-curve. Make symmetrical S-curve.	-
	Discriminator Coil Adj.	1	No Input	_	Between Point ® & ©, DC Volt Meter	dT2 (F-3963)	DC 0V±30mV	Repeat procedures as stated in subject
	In case of Dist meter	2	98MHz ANT Input 65dBf (59.8dB), FM SSG	ANT terminal 300Ω	OUTPUT L-CH or R-CH, Dist Meter	dT2, dT1 (F-3963)	MIN. THD	1 & 2. • Since the dT1 has already adjusted, perform only a fine adjustment in this procedure.
3.	88 MHz Dial Calibration		88 MHz ANT Input 65 dBf (59.8 dB), 1 kHz (100% MOD.), FM SSG	ANT Terminal 300Ω	OUTPUT L-CH or R-CH, SCOPE	dL3 (F-3963)	MAX. Output	•Short between the point ⊕ (oR3) and the ground. • Repeat procedures
4.	108 MHz Diatl Calibration		108 HMz ANT Input 65 dBf (59.8 dB), 1 kHz (100% MOD.), FM SSG	Same as above	Sam as above	dTC3 (F-3963)	Same as above	as stated in step 3 & 4.
5.			88 MHz ANT Input Minimum value with sine wave 1 kHz (100% MOD.), FM SSG	Same as above	Same as above	dL1, dL2 (F-3963)	MAX. Output	\wedge
6.	108 MHz RF Ad	łj.	108 MHz ANT Input Minimum value with sine wave 1 kHz (100% MOD.), FM SSG		Same as above	dTC1, dTC2 (F-3963)	Same as above	<i>J</i>



2) FM STEREO Adjustment (See Top View on Page 7)

Note: 1. SELECTOR..... FM 2. FM MODE..... AUTO

CTED	SUBJECT	FEED SIGNAL		AAFACUIRE OUTRUIT			DE144 DI45
STEP		FROM	то	MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
1.	PLL VCO Adj.	98MHz ANT Input 65dBf (59.8dB), FM SSG, Pilot 19kHz (9% MOD.), R or L MODE 1kHz+Pilot (100% MOD.), STEREO SG	ANT terminal 300Ω	STEREO Indicator	dVR2 (F-3963)	Light indicator	Adjust the dVR2 within center of lighting level.
	PLL VCO Adj. In case of using Freq. counter	98MHz ANT Input 65dBf (59.8dB), FM SSG, No MOD.	Same as above	Between Point ① (Pin No. 9 of dIC2) & Ground, Freq. counter	dVR2 (F-3963)	19kHz±50Hz	
2.	Muting level Adj.	98MHz ANT Input 22dBf (16.8dB), FM SSG, Pilot 19kHz (9% MOD.), L or R MODE 1kHz+Pilot (100% MOD.), STEREO SG.	Same as above	STEREO indicator or OUTPUT L-CH or R-CH, VTVM & SCOPE	dVR1 (F-3963)	SREREO indicator turns ON or Output Signal comes out	

ADJUSTMENT FOR FM

- There are two kind in indication of FM SG output attenuator
 - 1. Attenuator with marking of 75Ω open open indication type.
 - 2. Attenuator with marking of 75Ω load or close load
- or close indication type.
 FM SG output level in this FM adjustment are described as open
- To feed FM signal, a dummy antenna circuit as Fig. 2-2 must be connected between FM SG output and ANT terminal (300Ω) of the unit.

Fig. 2-2 150Ω The following table shows relations among FM SG attenuator indication (dB), available power ratio (dBf) and antenna terminal voltage $(dB/\mu V)$ in each indication type.

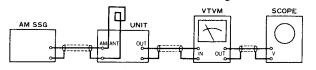
	FM SG	Available	Antenna	
	Attenuator	Power	Terminal	
	Indication	Ratio	Voltage	
Open indication type	0 dB	-0.8 dBf	6 dB/μV	
	66 dB	65.2 dBf	60 dB/μV	
Load or close indication type	0 dB	5.2 dBf	0 dB/μV	
	60 dB	65.2 dBf	60 dB/μV	

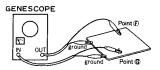
Equipment AM FM Generator Oscilloscope AM Standard Signal Generator FM Standard Signal Generator FM Stereo Generator Oscilloscope Audio Oscillator Distortion Meter	AM SSG FM SSG Stereo SG Scope Audio Osc.	Others Antenna ANT. Modulation MOD Total Harmonic Distortion T.H.E
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2-2. AM Adjustment (See Top View on Page 7)

Note: 1. SELECTOR AM
2. Connect the AM Loop antenna to the AM antenna terminal and GND terminal.

Fig. 2-3





1) AM IF, RF Adjustment and AM (MW) Dial Calibration Note: Selector MW <T-M55L>

STEP	SUBJECT	FEED SIGN	IAL	AAFACURE OUTDUT	ADULIST	ADULET FOR	DEALA DIVE
3167	SUBJECT	FROM	TO	MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
1.	IF Coil Adj.	Output 60 dB, Genescope	Point (F) (eTC2 F-3963)	Between Point © (eR6, F-3963) & Earth	eCF1, eL2 (F-3963)	MAX. Waveform	
2.	600kHz Dial Calibration	600kHz ANT Input 60dB, 400Hz (30% MOD.), AM SSG	ANT terminal	OUTPUT L-CH or R-CH, VTVM & SCOPE	eT3 (F-3963)	MAX. Output	• Short between the Point (f) (oR3) and the ground. • Repeat
3.	1400kHz Dial Calibration	1400kHz ANT Input 60dB, 400Hz (30% MOD.), AM SSG	Same as above	Same as above	eTC3 (F-3963)	Same as above	procedures as stated in step 2 & 3.
4.	600kHz RF Adj.	600kHz ANT Input 30dB, 400Hz (30% MOD.), AM SSG	Same as above	Same as above	eT1 (F-3963)	Same as above	\wedge
5.	1400kHz RF Adj.	1400kHz ANT Input 30 dB, 400Hz (30% MOD.), AM SSG	Same as above	Same as above	eTC2 (F-3963)	Same as above	

2) LW Dial Calibration < T-M55L Only>

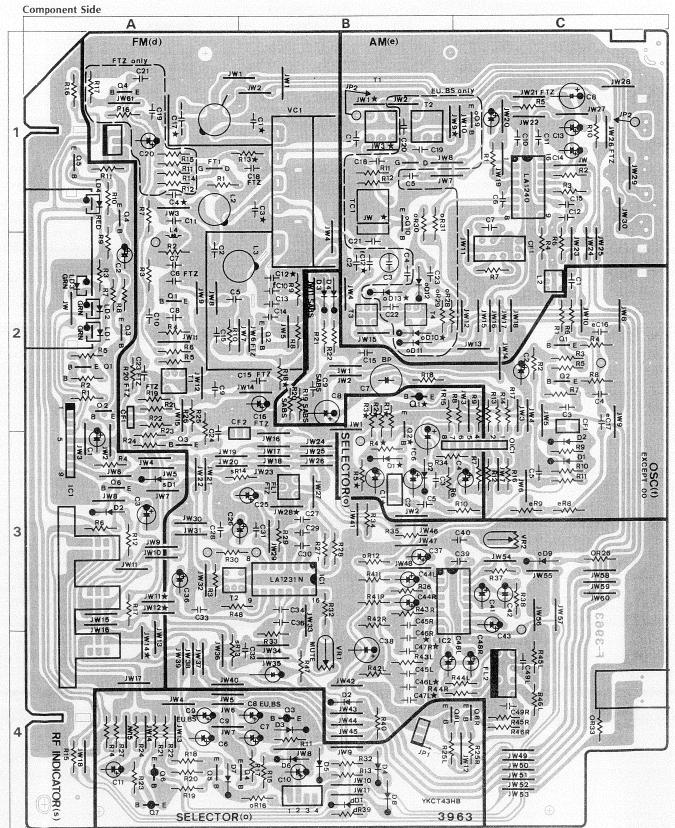
Note: Selector LW

STEP	SUBJECT	FEED SIGNAL		MEACURE OUTDUT	ABULET	L DILICT FOR	DELLARIZ
SIEF		FROM	то	MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
1.	170kHz Dial Calibration	170kHz ANT Input 60dB, 400Hz (30% MOD.), AM SSG	ANT terminal	OUTPUT L-CH or R-CH, VTVM & SCOPE	eT4 (F-3963)	MAX. Output	Short between the Point (1) (oR3) and the ground. Repeat procedures as stated in step 1 & 2.
2.	300kHz Dial Calibration	300kHz ANT Input 60dB, 400Hz (30% MOD.), AM SSG	Same as above	Same as above	eTC1b (F-3963)	Same as above	
3.	170kHz RF Adj.	170kHz ANT Input 40dB, 400Hz (30% MOD.), AM SSG	Same as above	Same as above	eT2 (F-3963)	MAX. Output	\wedge
4.	300kHz RF Adj.	300kHz ANT Input 40dB, 400Hz (30% MOD.), AM SSG	Same as above	Same as above	eTC1a (F-3963)	Same as above	

3. PARTS LOCATION & PARTS LIST

*Since some of capacitors and resistors are omitted from parts lists in this service manual, refer to the Common Parts List for capacitors & resistors, which was issued on February 1983.

3-1. F-3963 FM/AM Tuner Circuit Board (Stock No. 00744101 = T-M55/00744105 = T-M55L)



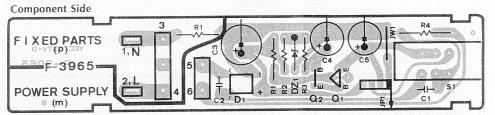
Parts No.	F-3963 > Stock No.	Description	Parts No.	Stock No.	Description
		•	002	46367300	2SC2458
TransistordQ1	46393201	2SC2786	002	or 46367301	2SC2458
dQ2	46392400	2SC2668		or 46367101	2SC2603
dQ3	46393201	2SC2786		or 46391901	2SC2785
- CCT			οQ3	46392001 or 46367001	2SA1175 2SA1115
●FET dFT1	46393000	2SK192A-Y		or 46367201	2SA1048
G ,	or 46393001	2SK192A-GR	oQ4	46367301	2SC2458
				or 46367101	2SC2603
•IC	07101000	LA1001N	οQ5	or 46391901 46367301	2SC2785 2SC2458
dIC1 dIC2	07191200 03609900	LA1231N μPC1161C3	003	or 46367101	2SC2603
uicz	0000000	<i>p</i>		or 46391901	2SC2785
◆ Diode			oQ6	46392001	2SA1175
dD1	46086000 or 03117600	1S1588 1S2473		or 46367001 or 46367201	2SA1115 2SA1048
dD2	46086000	1S1588	007	46392001	2SA1175
002	or 03117600	1S2473		or 46367001	2SA1115
				or 46367201	2SA1048
dVC1	46223300	Variable Capacitor	οQ8	46367301 or 46367101	2SC2458 2SC2603
dCF1	09106410	Ceramic Filter 10.7 MHz		or 46391901	2SC2785
dCF2	09106410	Ceramic Filter 10.7 MHz	οQ9	46540801	2SC2878 < T-M55L Only >
			oQ10	46540801	2SC2878 < T-M55L Only>
dFL2	46151300	Low Pass Filter (38 kHz)	•Diode		
dL1	42007200	FM RF Coil	oD1	03117600	1S2473
dL1	42103400	FM RF Coil	00,	or 46086000	1S1588
dL3	42204000	FM OSC Coil	oD2	03117600	1S2473
dL4	46541600	Inductor 2.2μH	-D0	or 46086000 03117600	1S1588 1S2473
AT1	46369500	FM IF Coil	oD3	or 46086000	1S1588
dT1 dT2	46547400	FM Detector Coil	oD4	03117600	1S2473
-,-				or 46086000	1S1588
dVR1	07241300	10kΩ(B) S.V.R, Mute Level adj.	oD5	03117600	1S2473 1S1588
dVR2	07218000	6.8kΩ(B) S.V.R, PLL VCO adj.	oD6	or 46086000 03117600	1S2473
•FET			000	or 46086000	1S1588
eFT1	46393000	2SK192A-Y <t-m55l only=""></t-m55l>	oD7	03117600	182473
	or 46393001	2SK192A-GR < T-M55L Only>	- 50	or 46086000	1S1588 1S2473
•IC			oD8	03117600 or 46086000	1S1588
elC1	03608000	LA1240	oD9	03117600	1S2473
				or 46086000	1S1588
eTC1	46370700	Timmer Capacitor 16pF < T-M55L	oD10	03117600 or 46086000	1S2473 < T-M55L Only> 1S1588 < T-M55L Only>
		Only>	oD11	03117600	1S1473 < T-M55L Only>
eCF1	07250500	Ceramic Filter (455 kHz)		or 46086000	1S1588 < T-M55L Only >
			oD12	03117600	1S2473 < T-M55L Only >
eT1	46260600	AM RF Coil	~D13	or 46086000 03117600	1S1588 <t-m55l only=""> 1S2473 <t-m55l only=""></t-m55l></t-m55l>
eT2 eT3	46260700 46369300	LW RF Coil < T-M55L Only> AM OSC Coil	oD13	or 46086000	1S1588 < T-M55L Only>
eT4	46369400	LW OSC Coil < T-M55L Only>			
		Control of the Contro	oS1	46547900	Push SW., FM/MW/LW (Selec-
eL2	46369600	AM IF Coil		46547800	tor) FM MODE < T-M55L> Push SW., FM/AM (Selector) FN
 Transistor 				40347000	MODE < T-M55>
fQ1	46392401	2SC2668			
fQ2	46392401	2SC2668	oJ1	46547200	Mini Jack, COMPU SELECTOR
-10				46547300	ANTENNA Terminal Board (4P)
•IC fIC1	46078900	M5218L		10017000	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Transistor		
Diode	40404000	0.0004	sQ1	46367201	2SA1048 2SA1115
fD1 fD2	46421600 46421600	OA90M OA90M		or 46367001 or 46392001	2SA1175
102	40421000	CASON:	sQ2	46367301	2SC2458
● Varactor D	iode			or 46367101	2SC2603
fD3	07299300	1\$2236	-02	or 46391901 46367301	2SC2785 2SC2458
fD4	07299300	1S2236	sQ3	or 46367101	2SC2603
fC7	08460100	100μF 6.3V E.B.		or 46391901	2SC2785
			sQ4	46367301	2SC2458
fCF1	46223400	Ceramic Filter (455 kHz)		or 46367101 or 46391901	2SC2603 2SC2785
 Transistor 			sQ5	46367301	2SC2458
001	46367201	2SA1048	9 -0	or 46367101	2SC2603
	or 46367001	2SA1115		or 46391901	2SC2785
	or 46392001	2SA1175	sQ6	46367301 or 46367101	2SC2458 2SC2603
	The state of the s			01 7000/101	

Parts List < F-3963 >

Parts No.	Stock No.	Description	
•IC			
sIC1	46197200	BA6137	
• Diode			
sD1	03117600	1S2473	
	or 46086000	1S1588	
sD2	03117600	1S2473	
	or 46086000	1S1588	

Parts No.	Stock No.	Description
•Light Emitti	ng Diode	
sLD1	07250900	TLG-123A (Green)
sLD2	07250900	TLG-123A (Green)
sLD3	07250900	TLG-123A (Green)
sl D4	46095200	TLR-123 (Red)

3-2. F-3965 Power Supply Circuit Board (Stock No. 00744401)



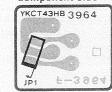
Parts No.	Stock No.	Description	
• Transistor			
mQ1	03083901	2SD 313AL	
mQ2	03059501	2SC 945	
	or 03068301	2SC2320	
	or 07194801	2SC1815	

Parts No.	Stock No.	Description
• Diode mD1	46273600	DBB10-B
•Zener Diode mDZ1	46104100	05Z13-Z
mS1	46370900	Push SW., POWER

•Note: The circuit boards, F-3964 & F-3648 are not supplied as the assembled. However, the individual parts on the circuit board are provided by orders.

3-3. F-3964 Output Terminal Circuit Board

Component Side



Parts List		
Parts No.	Stock No.	Description
	46438100	Output Terminal (2P)

3-4. F-3648 Dial Pointer L.E.D. Circuit Board

Parts List Parts No. Stock No. Description •Light Emitting Diode sLD5 46198900 SLP-520D

S.R.: Solid Resistor
Ce.R.: Cement Resistor
M.R.: Metal Film Resistor F.R. : Fusing Resistor N.I.R.: Non-Inflammable Resistor
C.C.: Ceramic Capacitor
C.T.: Ceramic Capacitor, Temperature Compensation

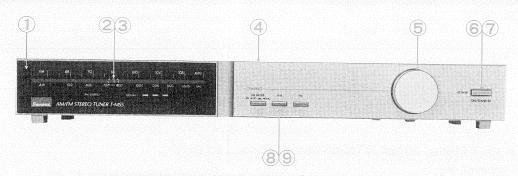
E.C. : Electrolytic Capacitor

E.L. : Low Leak Electrolytic Capacitor

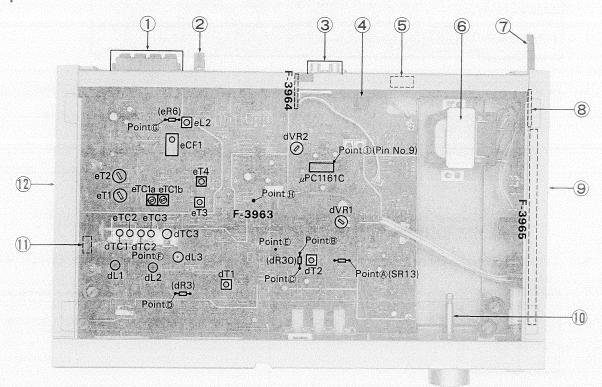
E.B. : Bi-Polar Electrolytic Capacitor
E.BL. : Low Leak Bi-Polar Electrolytic
Capacitor Capacitor
Ta.C.: Tantalum Capacitor
F.C.: Film Capacitor
M.P.: Metalized Paper Capacitor
P.C.: Polystyrene Capacitor
G.C.: Gimmic Capacitor
V.R.: Variable Resistor
S.V.R.: Semi Variable Resistor SW. : Switch

4. OTHER PARTS

4-1. Front View



4-2. Top View



F34-	1 1	< Front	N/*
Pans	1 151	< rr0m	VIPW >

Parts No.	Stock No.	Description
1	47179500	Front Panel Ass'y < T-M55>
	47179600	Front Panel Ass'v < T-M55L>
2	07856500	Dial Pointer
3	46198900	L.E.D. Dial Pointer
4	47178400	Bonnet
5	47176900	Tuning Knob
6	46370900	Push SW., POWER
7	47168800	Push Knob, POWER
8	46547800	Push SW., FM/AM (Selector)•FM MODE <t-m55></t-m55>
	46547900	Push SW., FM/MW/LW (Selector)•FM MODE <t-m55l></t-m55l>
9	47212800	Push Knob, FM/AM (MW)/(LW) (Selector)•FM MODE

Parts List < Top View >

Parts No.	Stock No.	Description
1	46547300	Antenna Terminal Board (4P)
2	22301510	GND Terminal
3	46438100	Output Terminal Board (2P)
4	46547200	Mini Jack, COMPU SELECTOR
5	07204700	Slide SW., Voltage Selector <220/240V T-M55L Only>
6	15011501	Power Transformer < T-M55>
	15011505	Power Transformer < T-M55L>
7	38005400	Power Supply Cord < T-M55>
	38004500	Power Supply Cord < T-M55L>
8	47168600	AC Cord Cover
9	47228200	Side Panel (Right)
10	47177500	Tuning Unit
11	47169300	Pulley
12	47228100	Side Panel (Left)

5. THREADING OF DIAL CORD

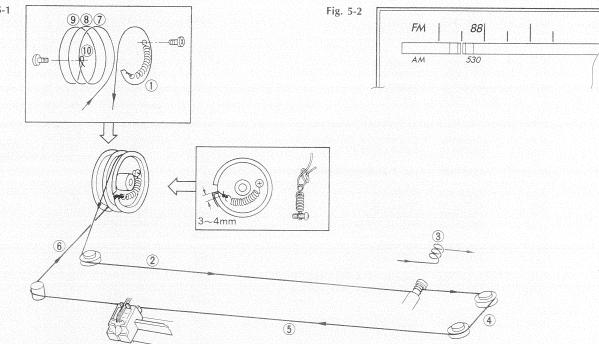
- If a dial cord is cut off or slips, replace it by following procedures. As this unit uses 0.5 mm ϕ cord, please replace it with the same type
- The length of dial cord is approximately 100cm.

5-1. Threading of Dial Cord

Thread the dial cord in numerical order from 1 to 1 as Fig. 5-1.

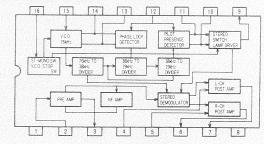
- Close the variable capacitor completely.
 Dial Cord (0.5mmφ) (Stock No. 60360530)

Fig. 5-1

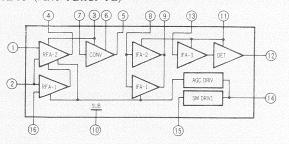


6. INTERIOR BLOCK DIAGRAM OF IC

• μPC1161C (MPX IC)

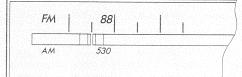


•LA1240 (AM Tuner IC)

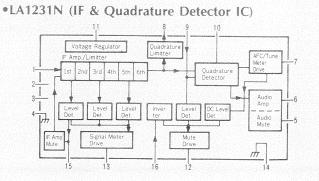


5-2. Attachment of Dial Pointer

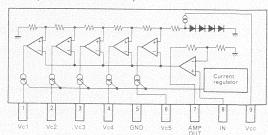
- Close the variable capacitor completely.
 Set the dial pointer to the start point, the line at the left end of the dial scale. (Fig. 5-2)
- * Confirm that the dial pointer runs smoothly on the dial scale by turning the tuning shaft.

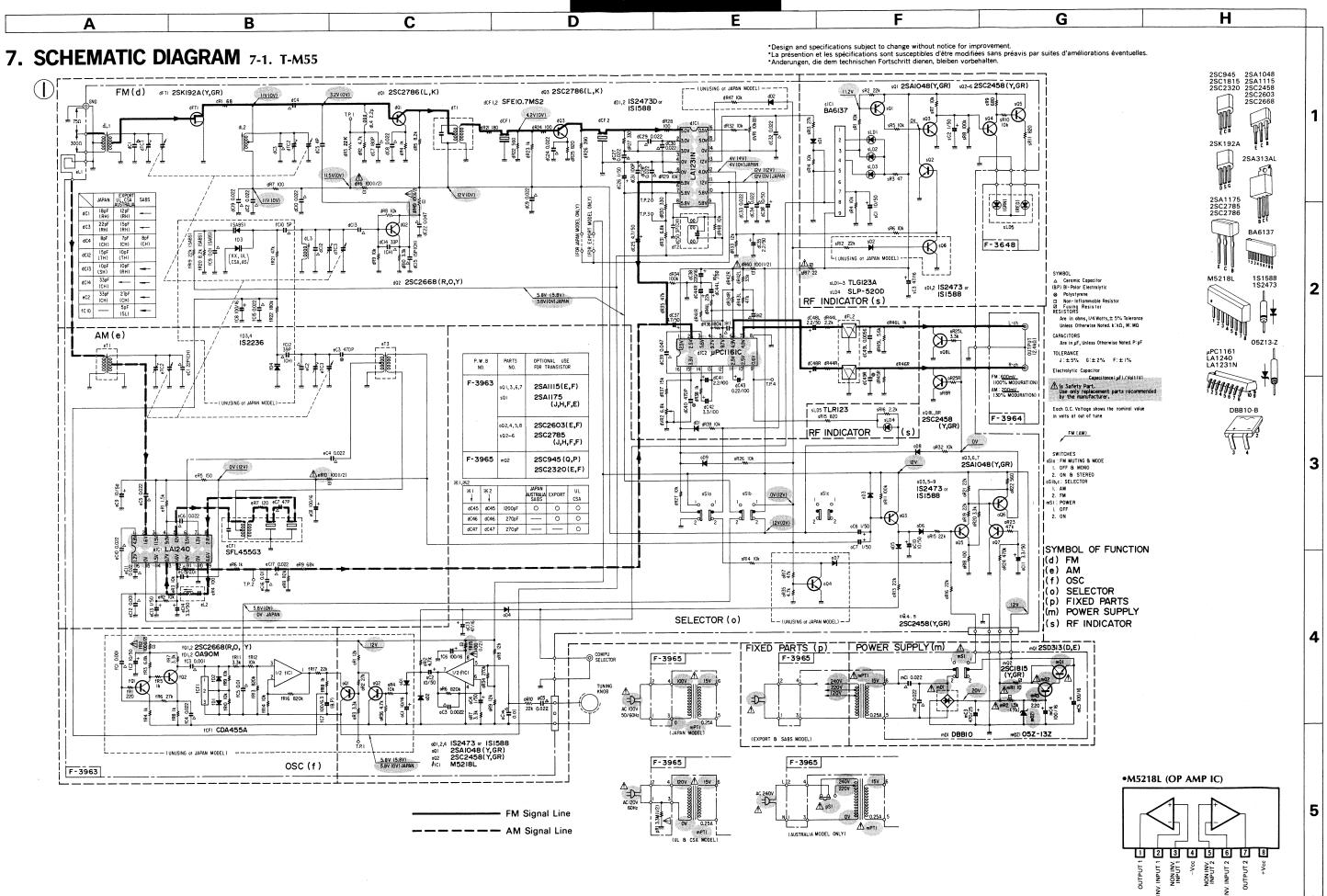


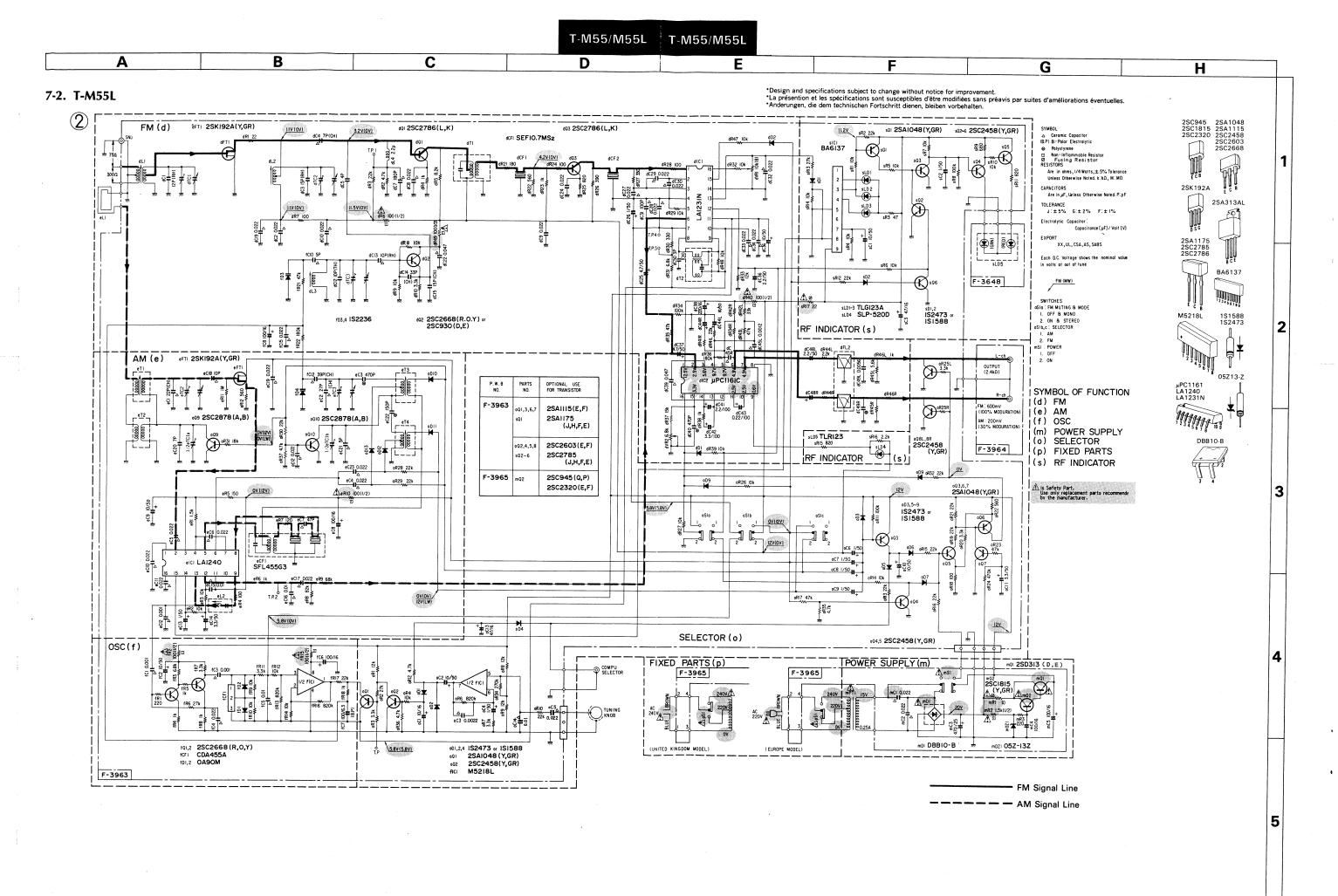




•BA6137 (L.E.D. Drive IC)







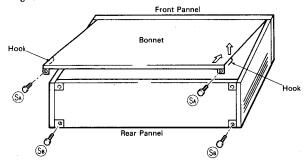
8. MAIN PARTS REPLACEMENT

A. Bonnet (See Fig. 8-1)

1). Remove two screws 🔊.

2). Push the rear side of the bonnet to remove the hooks and then remove bonnet.

Fig. 8-1



B. Bottom Plate

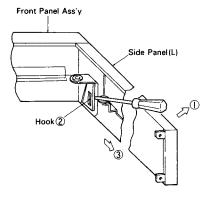
1) Remove two screws (§) (Fig. 8-1).
2). Push the rear side of the bonnet ot remove the hooks and then remove bottom plate.

C. Side Panel R (L) (See Fig. 8-2)

1). Remove bonnet and bottom plate.

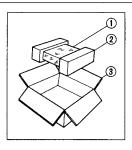
- 2). Shift the position of the side panel R (L) 1.5 cm in the arrow direction ①.
- 3). Remove the hooks ② of the side panel from front panel and then pull it the arrow direction ③ to remove the side panel R (L).

Fig. 8-2



9. PACKING LIST

Parts No.	Stock No.	Description
1	07805200	Vinyl Cover
2	47178200	Styrofoam Packing
3	47177000	Carton Case < T-M55>
	47184400	Carton Case < T-M55L>



10. ACCESSORY LIST

 Stock No.	Description
 46557200	Operating Instruction <t-m55></t-m55>
46561500	Operating Instruction <t-m55l></t-m55l>
46051700	FM Antenna
46186100	AM Loop Antenna
07563000	Antenna Holder
38103200	PJP Cord
46267300	Mini Plug Cord